Toshihide Kurihara

List of Publications by Citations

243 papers	8,412 citations	53 h-index	83 g-index
255 ext. papers	9,800 ext. citations	5.1 avg, IF	5.88 L-index

#	Paper	IF	Citations
243	Impaired functional visual acuity of dry eye patients. *American Journal of Ophthalmology*, **2002**, 133, 181-6	4.9	327
242	Drusen, choroidal neovascularization, and retinal pigment epithelium dysfunction in SOD1-deficient mice: a model of age-related macular degeneration. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 11282-7	11.5	325
241	Dry eyes and video display terminals. *New England Journal of Medicine*, **1993**, 328, 584	59.2	257
240	Targeted deletion of Vegfa in adult mice induces vision loss. *Journal of Clinical Investigation*, **2012**, 122, 4213-7	15.9	231
239	Prevalence of dry eye disease among Japanese visual display terminal users. *Ophthalmology*, **2008**, 115, 1982-8	7.3	229
238	New grading system for the evaluation of chronic ocular manifestations in patients with Stevens-Johnson syndrome. *Ophthalmology*, **2007**, 114, 1294-302	7.3	199
237	Neurodegenerative influence of oxidative stress in the retina of a murine model of diabetes. *Diabetologia*, **2010**, 53, 971-9	10.3	189
236	Neurons limit angiogenesis by titrating VEGF in retina. *Cell*, **2014**, 159, 584-96	56.2	170
235	Suppression of diabetes-induced retinal inflammation by blocking the angiotensin II type 1 receptor or its downstream nuclear factor-kappaB pathway. *Investigative Ophthalmology and Visual Science*, **2007**, 48, 4342-50		158
234	Prevention of ocular inflammation in endotoxin-induced uveitis with resveratrol by inhibiting oxidative damage and nuclear factor-kappaB activation **2009**, 50, 3512-9		133
233	Astrocyte hypoxic response is essential for pathological but not developmental angiogenesis of the retina. *Glia*, **2010**, 58, 1177-85	9	125
232	(Pro)renin receptor-mediated signal transduction and tissue renin-angiotensin system contribute to diabetes-induced retinal inflammation. *Diabetes*, **2009**, 58, 1625-33	0.9	123
231	Neuroprotective effect of an antioxidant, lutein, during retinal inflammation **2009**, 50, 1433-9		120
230	Neuroprotective effects of lutein in the retina. *Current Pharmaceutical Design*, **2012**, 18, 51-6	3.3	118
229	Macular pigment lutein is antiinflammatory in preventing choroidal neovascularization. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2007**, 27, 2555-62	9.4	118
228	Interleukin-6 receptor-mediated activation of signal transducer and activator of transcription-3 (STAT3) promotes choroidal neovascularization. *American Journal of Pathology*, **2007**, 170, 2149-58	5.8	117
227	Hypoxia-induced metabolic stress in retinal pigment epithelial cells is sufficient to induce photoreceptor degeneration. *ELife*, **2016**, 5,	8.9	112

226	Clinical and molecular characteristics of childhood-onset Stargardt disease. *Ophthalmology*, **2015**, 122, 326-34	7.3	111
225	Angiotensin II type 1 receptor-mediated inflammation is required for choroidal neovascularization. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2006**, 26, 2252-9	9.4	105
224	Angiotensin II type 1 receptor signaling contributes to synaptophysin degradation and neuronal dysfunction in the diabetic retina. *Diabetes*, **2008**, 57, 2191-8	0.9	104
223	Neurovascular crosstalk between interneurons and capillaries is required for vision. *Journal of Clinical Investigation*, **2015**, 125, 2335-46	15.9	97
222	Neuroprotective effects of angiotensin II type 1 receptor (AT1R) blocker, telmisartan, via modulating AT1R and AT2R signaling in retinal inflammation. *Investigative Ophthalmology and Visual Science*, **2006**, 47, 5545-52		96
221	A longitudinal study of Stargardt disease: quantitative assessment of fundus autofluorescence, progression, and genotype correlations **2013**, 54, 8181-90		94
220	Hydrogen and N-acetyl-L-cysteine rescue oxidative stress-induced angiogenesis in a mouse corneal alkali-burn model **2011**, 52, 427-33		92
219	Retinal dysfunction and progressive retinal cell death in SOD1-deficient mice. *American Journal of Pathology*, **2008**, 172, 1325-31	5.8	92
218	Age-related dysfunction of the lacrimal gland and oxidative stress: evidence from the Cu,Zn-superoxide dismutase-1 (Sod1) knockout mice. *American Journal of Pathology*, **2012**, 180, 1879-96	5.8	90
217	A longitudinal study of stargardt disease: clinical and electrophysiologic assessment, progression, and genotype correlations. *American Journal of Ophthalmology*, **2013**, 155, 1075-1088.e13	4.9	88
216	Roles of AMP-activated protein kinase in diabetes-induced retinal inflammation **2011**, 52, 9142-8		85
215	Clinical and molecular analysis of Stargardt disease with preserved foveal structure and function. *American Journal of Ophthalmology*, **2013**, 156, 487-501.e1	4.9	84
214	Suppression of ocular inflammation in endotoxin-induced uveitis by inhibiting nonproteolytic activation of prorenin. *Investigative Ophthalmology and Visual Science*, **2006**, 47, 2686-92		84
213	Violet Light Exposure Can Be a Preventive Strategy Against Myopia Progression. *EBioMedicine*, **2017**, 15, 210-219	8.8	82
212	A review on the epidemiology of myopia in school children worldwide. *BMC Ophthalmology*, **2020**, 20, 27	2.3	82
211	Resveratrol prevents light-induced retinal degeneration via suppressing activator protein-1 activation. *American Journal of Pathology*, **2010**, 177, 1725-31	5.8	80
210	The use of induced pluripotent stem cells to reveal pathogenic gene mutations and explore treatments for retinitis pigmentosa. *Molecular Brain*, **2014**, 7, 45	4.5	78
209	Vision preservation during retinal inflammation by anthocyanin-rich bilberry extract: cellular and molecular mechanism. *Laboratory Investigation*, **2012**, 92, 102-9	5.9	78

208	Inhibition of choroidal neovascularization with an anti-inflammatory carotenoid astaxanthin. *Investigative Ophthalmology and Visual Science*, **2008**, 49, 1679-85		77
207	Resveratrol prevents the development of abdominal aortic aneurysm through attenuation of inflammation, oxidative stress, and neovascularization. *Atherosclerosis*, **2011**, 217, 350-7	3.1	74
206	Generation of retinal pigment epithelial cells from small molecules and OCT4 reprogrammed human induced pluripotent stem cells. *Stem Cells Translational Medicine*, **2012**, 1, 96-109	6.9	74
205	Biological role of lutein in the light-induced retinal degeneration. *Journal of Nutritional Biochemistry*, **2012**, 23, 423-9	6.3	73
204	Suppression of ocular inflammation in endotoxin-induced uveitis by blocking the angiotensin II type 1 receptor. *Investigative Ophthalmology and Visual Science*, **2005**, 46, 2925-31		69
203	Role of nonproteolytically activated prorenin in pathologic, but not physiologic, retinal neovascularization. *Investigative Ophthalmology and Visual Science*, **2007**, 48, 422-9		67
202	Neural degeneration in the retina of the streptozotocin-induced type 1 diabetes model. *Experimental Diabetes Research*, **2011**, 2011, 108328		66
201	Selective suppression of pathologic, but not physiologic, retinal neovascularization by blocking the angiotensin II type 1 receptor. *Investigative Ophthalmology and Visual Science*, **2005**, 46, 1078-84		66
200	Lutein acts via multiple antioxidant pathways in the photo-stressed retina. *Scientific Reports*, **2016**, 6, 30226	4.9	64
199	Predictive factors for non-response to intravitreal ranibizumab treatment in age-related macular degeneration. *British Journal of Ophthalmology*, **2014**, 98, 1186-91	5.5	62
198	Eicosapentaenoic acid is anti-inflammatory in preventing choroidal neovascularization in mice. *Investigative Ophthalmology and Visual Science*, **2007**, 48, 4328-34		58
197	The formation of an angiogenic astrocyte template is regulated by the neuroretina in a HIF-1-dependent manner. *Developmental Biology*, **2012**, 363, 106-14	3.1	55
196	(Pro)renin receptor promotes choroidal neovascularization by activating its signal transduction and tissue renin-angiotensin system. *American Journal of Pathology*, **2008**, 173, 1911-8	5.8	55
195	Global metabolomics reveals metabolic dysregulation in ischemic retinopathy. *Metabolomics*, **2016**, 12, 15	4.7	54
194	Retinal ganglion cell loss in superoxide dismutase 1 deficiency **2011**, 52, 4143-50		54
193	von Hippel-Lindau protein regulates transition from the fetal to the adult circulatory system in retina. *Development (Cambridge)*, **2010**, 137, 1563-71	6.6	53
192	Roles of STAT3/SOCS3 pathway in regulating the visual function and ubiquitin-proteasome-dependent degradation of rhodopsin during retinal inflammation. *Journal of Biological Chemistry*, **2008**, 283, 24561-70	5.4	53
191	Functional visual acuity in Stevens-Johnson syndrome. *American Journal of Ophthalmology*, **2006**, 142, 917-22	4.9	53

190	Hypoxia-inducible factor (HIF)/vascular endothelial growth factor (VEGF) signaling in the retina. *Advances in Experimental Medicine and Biology*, **2014**, 801, 275-81	3.6	52
189	Disruption of cell-cell junctions and induction of pathological cytokines in the retinal pigment epithelium of light-exposed mice **2013**, 54, 4555-62		52
188	The clinical effect of homozygous ABCA4 alleles in 18 patients. *Ophthalmology*, **2013**, 120, 2324-31	7.3	50
187	The association between primary open-angle glaucoma and motor vehicle collisions **2011**, 52, 4177-81		49
186	Blue light-induced inflammatory marker expression in the retinal pigment epithelium-choroid of mice and the protective effect of a yellow intraocular lens material in vivo. *Experimental Eye Research*, **2015**, 132, 48-51	3.7	47
185	The relation of functional visual acuity measurement methodology to tear functions and ocular surface status. *Japanese Journal of Ophthalmology*, **2011**, 55, 451-459	2.6	46
184	Barrier function and cytologic features of the ocular surface epithelium after autologous cultivated oral mucosal epithelial transplantation. *JAMA Ophthalmology*, **2008**, 126, 23-8		46
183	Ras pathway inhibition prevents neovascularization by repressing endothelial cell sprouting. *Journal of Clinical Investigation*, **2013**, 123, 4900-8	15.9	46
182	Suppression of choroidal neovascularization by inhibiting angiotensin-converting enzyme: minimal role of bradykinin. *Investigative Ophthalmology and Visual Science*, **2007**, 48, 2321-6		44
181	Optical aberrations and visual disturbances associated with dry eye. *Ocular Surface*, **2006**, 4, 207-13	6.5	43
180	Novel RP1L1 Variants and Genotype-Photoreceptor Microstructural Phenotype Associations in Cohort of Japanese Patients With Occult Macular Dystrophy **2016**, 57, 4837-46		43
179	Selenium compound protects corneal epithelium against oxidative stress. *PLoS ONE*, **2012**, 7, e45612	3.7	41
178	Iris Damage Is Associated With Elevated Cytokine Levels in Aqueous Humor **2017**, 58, BIO42-BIO51		40
177	Current Prevalence of Myopia and Association of Myopia With Environmental Factors Among Schoolchildren in Japan. *JAMA Ophthalmology*, **2019**, 137, 1233-1239	3.9	40
176	Calorie restriction: A new therapeutic intervention for age-related dry eye disease in rats. *Biochemical and Biophysical Research Communications*, **2010**, 397, 724-8	3.4	39
175	Angiotensin II type 1 receptor antagonist attenuates lacrimal gland, lung, and liver fibrosis in a murine model of chronic graft-versus-host disease. *PLoS ONE*, **2013**, 8, e64724	3.7	39
174	Decreased sleep quality in high myopia children. *Scientific Reports*, **2016**, 6, 33902	4.9	38
173	Resveratrol prevents the development of choroidal neovascularization by modulating AMP-activated protein kinase in macrophages and other cell types. *Journal of Nutritional Biochemistry*, **2014**, 25, 1218-1225	6.3	38

172	Dietary lactoferrin alleviates age-related lacrimal gland dysfunction in mice. *PLoS ONE*, **2012**, 7, e33148	3.7	38
171	ABCA4 gene screening by next-generation sequencing in a British cohort **2013**, 54, 6662-74		36
170	The Neuroprotective Effect of Rapamycin as a Modulator of the mTOR-NF-B Axis during Retinal Inflammation. *PLoS ONE*, **2016**, 11, e0146517	3.7	35
169	A glimpse at the aging eye. *Npj Aging and Mechanisms of Disease*, **2016**, 2, 16003	5.5	34
168	Using flow cytometry to compare the dynamics of photoreceptor outer segment phagocytosis in iPS-derived RPE cells **2012**, 53, 6282-90		34
167	Neuroprotective effect of bilberry extract in a murine model of photo-stressed retina. *PLoS ONE*, **2017**, 12, e0178627	3.7	31
166	Vitrectomy for myopic foveoschisis with internal limiting membrane peeling and no gas tamponade. *Retina*, **2014**, 34, 455-60	3.6	31
165	Renin-Angiotensin system hyperactivation can induce inflammation and retinal neural dysfunction. *International Journal of Inflammation*, **2012**, 2012, 581695	6.4	30
164	Non-responsiveness to intravitreal aflibercept treatment in neovascular age-related macular degeneration: implications of serous pigment epithelial detachment. *Scientific Reports*, **2016**, 6, 29619	4.9	29
163	Dietary Supplementation with a Combination of Lactoferrin, Fish Oil, and Enterococcus faecium WB2000 for Treating Dry Eye: A Rat Model and Human Clinical Study. *Ocular Surface*, **2016**, 14, 255-63	6.5	29
162	Preoperative Aqueous Cytokine Levels Are Associated With a Rapid Reduction in Endothelial Cells After Penetrating Keratoplasty. *American Journal of Ophthalmology*, **2017**, 181, 166-173	4.9	29
161	Violet Light Transmission is Related to Myopia Progression in Adult High Myopia. *Scientific Reports*, **2017**, 7, 14523	4.9	29
160	Biological effects of blocking blue and other visible light on the mouse retina. *Clinical and Experimental Ophthalmology*, **2014**, 42, 555-63	2.4	29
159	Retinal aging and sirtuins. *Ophthalmic Research*, **2010**, 44, 199-203	2.9	28
158	The antiaging approach for the treatment of dry eye. *Cornea*, **2012**, 31 Suppl 1, S3-8	3.1	28
157	Preoperative Aqueous Cytokine Levels are Associated With Endothelial Cell Loss After Descemet Stripping Automated Endothelial Keratoplasty **2018**, 59, 612-620		28
156	Pharmacological HIF inhibition prevents retinal neovascularization with improved visual function in a murine oxygen-induced retinopathy model. *Neurochemistry International*, **2019**, 128, 21-31	4.4	26
155	A highly efficient murine model of experimental myopia. *Scientific Reports*, **2018**, 8, 2026	4.9	25

154	Involvement of hyaluronan and its receptor CD44 with choroidal neovascularization **2009**, 50, 4410-5		25
153	Improvement of functional visual acuity after cataract surgery in patients with good pre- and postoperative spectacle-corrected visual acuity. *Journal of Refractive Surgery*, **2009**, 25, 410-5	3.3	24
152	Calorie restriction (CR) and CR mimetics for the prevention and treatment of age-related eye disorders. *Experimental Gerontology*, **2013**, 48, 1096-100	4.5	23
151	AMPK-NF-B axis in the photoreceptor disorder during retinal inflammation. *PLoS ONE*, **2014**, 9, e103013	3.7	23
150	Elevated Aqueous Cytokine Levels in Eyes With Ocular Surface Diseases. *American Journal of Ophthalmology*, **2017**, 184, 42-51	4.9	22
149	Angiotensin II type 1 receptor blockade suppresses light-induced neural damage in the mouse retina. *Free Radical Biology and Medicine*, **2014**, 71, 176-185	7.8	22
148	Light-dark condition regulates sirtuin mRNA levels in the retina. *Experimental Gerontology*, **2013**, 48, 1212-7	4.5	22
147	Detection of early visual impairment in patients with epiretinal membrane. *Acta Ophthalmologica*, **2013**, 91, e353-7	3.7	22
146	SOCS3 is required to temporally fine-tune photoreceptor cell differentiation. *Developmental Biology*, **2007**, 303, 591-600	3.1	22
145	Increased urinary 8-hydroxy-2deoxyguanosine (8-OHdG)/creatinine level is associated with the progression of normal-tension glaucoma. *Current Eye Research*, **2013**, 38, 983-8	2.9	21
144	Astrocyte pVHL and HIF- isoforms are required for embryonic-to-adult vascular transition in the eye. *Journal of Cell Biology*, **2011**, 195, 689-701	7.3	21
143	Clinical and Genetic Characteristics of East Asian Patients with Occult Macular Dystrophy (Miyake Disease): East Asia Occult Macular Dystrophy Studies Report Number 1. *Ophthalmology*, **2019**, 126, 1432-1444	7.3	20
142	Association of serum lipids with macular thickness and volume in type 2 diabetes without diabetic macular edema **2014**, 55, 1749-53		20
141	Angiopoietin-like Protein 2 Is a Multistep Regulator of Inflammatory Neovascularization in a Murine Model of Age-related Macular Degeneration. *Journal of Biological Chemistry*, **2016**, 291, 7373-85	5.4	19
140	Pemafibrate Prevents Retinal Pathological Neovascularization by Increasing FGF21 Level in a Murine Oxygen-Induced Retinopathy Model. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	19
139	Distinct Responsiveness to Intravitreal Ranibizumab Therapy in Polypoidal Choroidal Vasculopathy With Single or Multiple Polyps. *American Journal of Ophthalmology*, **2016**, 166, 52-59	4.9	18
138	Performing subretinal injections in rodents to deliver retinal pigment epithelium cells in suspension. *Journal of Visualized Experiments*, **2015**, 52247	1.6	18
137	Selenium-binding lactoferrin is taken into corneal epithelial cells by a receptor and prevents corneal damage in dry eye model animals. *Scientific Reports*, **2016**, 6, 36903	4.9	17

136	A Novel HIF Inhibitor Halofuginone Prevents Neurodegeneration in a Murine Model of Retinal Ischemia-Reperfusion. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	17
135	Phase II enzyme induction by a carotenoid, lutein, in a PC12D neuronal cell line. *Biochemical and Biophysical Research Communications*, **2014**, 446, 535-40	3.4	17
134	Regulation of posttranscriptional modification as a possible therapeutic approach for retinal neuroprotection. *Journal of Ophthalmology*, **2011**, 2011, 506137	2	17
133	The era of antiaging ophthalmology comes of age: antiaging approach for dry eye treatment. *Ophthalmic Research*, **2010**, 44, 146-54	2.9	17
132	Pars plana vitrectomy with internal limiting membrane removal for macular hole associated with proliferative diabetic retinopathy. *Graefels Archive for Clinical and Experimental Ophthalmology*, **2005**, 243, 724-6	3.8	17
131	Neuroprotective response after photodynamic therapy: role of vascular endothelial growth factor. *Journal of Neuroinflammation*, **2011**, 8, 176	10.1	16
130	Suppression of alkali burn-induced corneal neovascularization by dendritic cell vaccination targeting VEGF receptor 2. *Investigative Ophthalmology and Visual Science*, **2008**, 49, 2172-7		16
129	Evaluation of AAV-DJ vector for retinal gene therapy. *PeerJ*, **2019**, 7, e6317	3.1	16
128	Efficacy and safety of 0.01% atropine for prevention of childhood myopia in a 2-year randomized placebo-controlled study. *Japanese Journal of Ophthalmology*, **2021**, 65, 315-325	2.6	16
127	Predictive factors of better outcomes by monotherapy of an antivascular endothelial growth factor drug, ranibizumab, for diabetic macular edema in clinical practice. *Medicine (United States)*, **2017**, 96, e6459	1.8	15
126	Oral crocetin administration suppressed refractive shift and axial elongation in a murine model of lens-induced myopia. *Scientific Reports*, **2019**, 9, 295	4.9	15
125	The effect of Nrf2 knockout on ocular surface protection from acute tobacco smoke exposure: evidence from Nrf2 knockout mice. *American Journal of Pathology*, **2015**, 185, 776-85	5.8	15
124	Renin-angiotensin system involvement in the oxidative stress-induced neurodegeneration of cultured retinal ganglion cells. *Japanese Journal of Ophthalmology*, **2013**, 57, 126-32	2.6	15
123	Neuroprotective role of superoxide dismutase 1 in retinal ganglion cells and inner nuclear layer cells against N-methyl-d-aspartate-induced cytotoxicity. *Experimental Eye Research*, **2013**, 115, 230-8	3.7	15
122	Dietary Spirulina Supplementation Protects Visual Function From Photostress by Suppressing Retinal Neurodegeneration in Mice. *Translational Vision Science and Technology*, **2019**, 8, 20	3.3	15
121	Neuroprotective role of retinal SIRT3 against acute photo-stress. *Npj Aging and Mechanisms of Disease*, **2017**, 3, 19	5.5	14
120	Association of macular pigment optical density with serum concentration of oxidized low-density lipoprotein in healthy adults. *Retina*, **2015**, 35, 820-6	3.6	14
119	Early signs of exudative age-related macular degeneration in Asians. *Optometry and Vision Science*, **2014**, 91, 849-53	2.1	14

118	KW3110 Prevents Blue Light-Induced Inflammation and Degeneration in the Retina. *Nutrients*, **2018**, 10,	6.7	14
117	Utilizing stem cell-derived RPE cells as a therapeutic intervention for age-related macular degeneration. *Advances in Experimental Medicine and Biology*, **2014**, 801, 323-9	3.6	14
116	Wide-Angle Viewing System versus Conventional Indirect Ophthalmoscopy for Scleral Buckling. *Scientific Reports*, **2015**, 5, 13256	4.9	13
115	Intraoperative and fluorescein angiographic findings of a secondary macular hole associated with age-related macular degeneration treated by pars plana vitrectomy. *BMC Ophthalmology*, **2014**, 14, 114	2.3	13
114	Local acting Sticky-trap inhibits vascular endothelial growth factor dependent pathological angiogenesis in the eye. *EMBO Molecular Medicine*, **2014**, 6, 604-23	12	13
113	Eicosapentaenoic acid suppresses ocular inflammation in endotoxin-induced uveitis. *Molecular Vision*, **2010**, 16, 1382-8	2.3	13
112	Molecular characteristics of four Japanese cases with KCNV2 retinopathy: report of novel disease-causing variants. *Molecular Vision*, **2013**, 19, 1580-90	2.3	13
111	Pemafibrate Protects Against Retinal Dysfunction in a Murine Model of Diabetic Retinopathy. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	13
110	iPSC-Derived Retinal Pigment Epithelium Allografts Do Not Elicit Detrimental Effects in Rats: A Follow-Up Study. *Stem Cells International*, **2016**, 2016, 8470263	5	13
109	Roles of Hypoxia Response in Retinal Development and Pathophysiology. *Keio Journal of Medicine*, **2018**, 67, 1-9	1.6	12
108	Dynamic changes in choroidal conditions during anti-vascular endothelial growth factor therapy in polypoidal choroidal vasculopathy. *Scientific Reports*, **2019**, 9, 11389	4.9	12
107	Ocular-Component-Specific miRNA Expression in a Murine Model of Lens-Induced Myopia. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	12
106	Mitochondrial superoxide anion overproduction in Tet-mev-1 transgenic mice accelerates age-dependent corneal cell dysfunctions **2012**, 53, 5780-7		12
105	Suppression of choroidal neovascularization by dendritic cell vaccination targeting VEGFR2. *Investigative Ophthalmology and Visual Science*, **2007**, 48, 4795-801		12
104	Rice Bran and Vitamin B6 Suppress Pathological Neovascularization in a Murine Model of Age-Related Macular Degeneration as Novel HIF Inhibitors. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	12
103	Functional Visual Acuity in Age-Related Macular Degeneration. *Optometry and Vision Science*, **2016**, 93, 70-6	2.1	11
102	Effects of Oxidative Stress on the Conjunctiva in Cu, Zn-Superoxide Dismutase-1 (Sod1)-Knockout Mice **2015**, 56, 8382-91		11
101	Presence and physiologic function of the renin-angiotensin system in mouse lacrimal gland **2012**, 53, 5416-25		11

100	Violet light suppresses lens-induced myopia via neuropsin (OPN5) in mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	11
99	Genetic Spectrum of EYS-associated Retinal Disease in a Large Japanese Cohort: Identification of Disease-associated Variants with Relatively High Allele Frequency. *Scientific Reports*, **2020**, 10, 5497	4.9	10
98	Absolute and estimated values of macular pigment optical density in young and aged Asian participants with or without age-related macular degeneration. *BMC Ophthalmology*, **2017**, 17, 161	2.3	10
97	PPAR Agonist Oral Therapy in Diabetic Retinopathy. *Biomedicines*, **2020**, 8,	4.8	10
96	Progress and Control of Myopia by Light Environments. *Eye and Contact Lens*, **2018**, 44, 273-278	3.2	10
95	Lactoferrin Has a Therapeutic Effect HIF Inhibition in a Murine Model of Choroidal Neovascularization. *Frontiers in Pharmacology*, **2020**, 11, 174	5.6	9
94	Use of micronutrient supplement for preventing advanced age-related macular degeneration in Japan. *JAMA Ophthalmology*, **2012**, 130, 254-5		9
93	HIF inhibitor topotecan has a neuroprotective effect in a murine retinal ischemia-reperfusion model. *PeerJ*, **2019**, 7, e7849	3.1	9
92	Predicting recurrences of macular edema due to branch retinal vein occlusion during anti-vascular endothelial growth factor therapy. *Graefels Archive for Clinical and Experimental Ophthalmology*, **2020**, 258, 49-56	3.8	9
91	Development and pathological changes of neurovascular unit regulated by hypoxia response in the retina. *Progress in Brain Research*, **2016**, 225, 201-11	2.9	9
90	Cytokine Levels in the Aqueous Humor Are Associated With Corneal Thickness in Eyes With Bullous Keratopathy. *American Journal of Ophthalmology*, **2019**, 198, 174-180	4.9	9
89	Neuroprotective and vision-protective effect of preserving ATP levels by AMPK activator. *FASEB Journal*, **2020**, 34, 5016-5026	0.9	8
88	The role of sphingosine 1-phosphate receptors on retinal pigment epithelial cells barrier function and angiogenic effects. *Prostaglandins and Other Lipid Mediators*, **2019**, 145, 106365	3.7	8
87	Therapeutic Effect of Extract and Hydroxycitric Acid Inhibiting Hypoxia-Inducible Factor in a Murine Model of Age-Related Macular Degeneration. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	8
86	Eosinophils promote corneal wound healing via the 12/15-lipoxygenase pathway. *FASEB Journal*, **2020**, 34, 12492-12501	0.9	8
85	Clinical and genetic characteristics of 10 Japanese patients with PROM1-associated retinal disorder: A report of the phenotype spectrum and a literature review in the Japanese population. *American Journal of Medical Genetics, Part C: Seminars in Medical Genetics*, **2020**, 184, 656-674	3.1	8
84	Renin-angiotensin system impairs macrophage lipid metabolism to promote age-related macular degeneration in mouse models. *Communications Biology*, **2020**, 3, 767	6.7	8
83	Neuroprotective effect of activated 5 adenosine monophosphate-activated protein kinase on cone system function during retinal inflammation. *BMC Neuroscience*, **2016**, 17, 32	3.2	8

82	Aquaporin 4 Suppresses Neural Hyperactivity and Synaptic Fatigue and Fine-Tunes Neurotransmission to Regulate Visual Function in the Mouse Retina. *Molecular Neurobiology*, **2019**, 56, 8124-8135	6.2	7
81	The long dystrophin gene product Dp427 modulates retinal function and vascular morphology in response to age and retinal ischemia. *Neurochemistry International*, **2019**, 129, 104489	4.4	7
80	Macular Pigment Optical Density and Photoreceptor Outer Segment Length as Predisease Biomarkers for Age-Related Macular Degeneration. *Journal of Clinical Medicine*, **2020**, 9,	5.1	7
79	Clinical and Genetic Characteristics of 15 Affected Patients From 12 Japanese Families with -Associated Retinal Disorder. *Translational Vision Science and Technology*, **2020**, 9, 2	3.3	7
78	The Effect of Dietary Supplementation of Crocetin for Myopia Control in Children: A Randomized Clinical Trial. *Journal of Clinical Medicine*, **2019**, 8,	5.1	7
77	Blockade of vascular adhesion protein-1 attenuates choroidal neovascularization. *Molecular Vision*, **2012**, 18, 593-600	2.3	7
76	HIF Inhibition Therapy in Ocular Diseases. *Keio Journal of Medicine*, **2021**,	1.6	7
75	Clinical and Genetic Characteristics of 18 Patients from 13 Japanese Families with CRX-associated retinal disorder: Identification of Genotype-phenotype Association. *Scientific Reports*, **2020**, 10, 9531	4.9	6
74	Hypoxia-Inducible Factor Inhibitors Derived from Marine Products Suppress a Murine Model of Neovascular Retinopathy. *Nutrients*, **2020**, 12,	6.7	6
73	Hydrogen-producing milk to prevent reduction in tear stability in persons using visual display terminals. *Ocular Surface*, **2019**, 17, 714-721	6.5	6
72	A Murine Model of Ischemic Retinal Injury Induced by Transient Bilateral Common Carotid Artery Occlusion. *Journal of Visualized Experiments*, **2020**,	1.6	6
71	Fenofibrate Protects against Retinal Dysfunction in a Murine Model of Common Carotid Artery Occlusion-Induced Ocular Ischemia. *Pharmaceuticals*, **2021**, 14,	5.2	6
70	Retinal dysfunction induced in a mouse model of unilateral common carotid artery occlusion. *PeerJ*, **2021**, 9, e11665	3.1	6
69	Retinal inflammation diagnosed as an idiopathic macular hole with multiple recurrences and spontaneous closures: A case report. *Medicine (United States)*, **2019**, 98, e14230	1.8	6
68	Inducement and Evaluation of a Murine Model of Experimental Myopia. *Journal of Visualized Experiments*, **2019**,	1.6	5
67	Correlation between Macular Pigment Optical Density and Neural Thickness and Volume of the Retina. *Nutrients*, **2020**, 12,	6.7	5
66	Benefits of aflibercept treatment for age-related macular degeneration patients with good best-corrected visual acuity at baseline. *Scientific Reports*, **2018**, 8, 58	4.9	5
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